Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	11046	video with retriev$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/04/08 19:01
S2	4	((video with retriev$3) and (url or "uniform resource locator") and ("UMID" or "unique material identifier")) and metadata	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/04/04 20:37
S3	4	((video with retriev$3) and (url or "uniform resource locator") and ("UMID" or "unique material identifier")) not (((video with retriev$3) and (url or "uniform resource locator") and ("UMID" or "unique material identifier")) and metadata)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/04/04 20:37
S4	14	(("UMID" or "unique material identifier") and url) and video	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/04/05 10:27
S5	96	("UMID" or "unique material identifier")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/04/05 11:46
S6	16	(("UMID" or "unique material identifier")) and xml	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/04/05 11:38
S7	6	((("UMID" or "unique material identifier")) and (video with (retriev$3 or search$3))) and xml	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/04/05 11:35
S8	10	((("UMID" or "unique material identifier")) and xml) not (((("UMID" or "unique material identifier")) and (video with (retriev$3 or search$3))) and xml)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/04/05 11:38
S9	15	("UMID" or "unique material identifier") and url	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/04/05 11:39

S10	21	(("UMID" or "unique material identifier")) and (video with (retriev$3 or search$3))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/04/05 11:43
S11	10	((("UMID" or "unique material identifier")) and (video with (retriev$3 or search$3))) not (("UMID" or "unique material identifier") and url)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/04/05 11:44
S12	75	(("UMID" or "unique material identifier")) not ((("UMID" or "unique material identifier")) and (video with (retriev$3 or search$3)))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/30 14:36
S13	3427	smpte	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/04/05 11:56
S14	105	smpte and metadata	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/04/05 11:59
S15	28	(smpte and metadata) and umid	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/04/05 11:56
S16	39	(smpte and metadata) and xml	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/04/05 11:59
S17	13	((smpte and metadata) and xml) and (video with material)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/04/05 12:00
S18	11064	video with retriev$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/04/08 19:07
S19	8	(video with retriev$3) and (url or "uniform resource locator") and ("UMID" or "unique material identifier")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/04/08 19:01

S20	205	(video with retriev$3) and "video library"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/04/08 19:09
S21	216	(video with retriev$3) and ("video library" or "media library")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/04/08 19:10
S22	34	((video with retriev$3) and ("video library" or "media library")) and (url or "uniform resource locator")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/04/08 19:10
S23	25	(((video with retriev$3) and ("video library" or "media library")) and (url or "uniform resource locator")) and (identifier or id)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/04/12 17:49
S24	8947	(video with (library or repository or jukebox)) or (media with library)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/04/12 20:26
S25	16	((video with (library or repository or jukebox)) or (media with library)) and (access$3 with (url or "uniform resource locator") with (id or identifier))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/04/12 21:01
S26	4	(((video with (library or repository or jukebox)) or (media with library)) and (access$3 with (url or "uniform resource locator") with (id or identifier))) and metadata	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/04/12 21:03
S27	12	(((video with (library or repository or jukebox)) or (media with library)) and (access$3 with (url or "uniform resource locator") with (id or identifier))) not ((((video with (library or repository or jukebox)) or (media with library)) and (access$3 with (url or "uniform resource locator") with (id or identifier))) and metadata)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/04/12 20:25
S28	517	database$1 with (url or "uniform resource locator") with (id or identifier)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/04/12 20:48

S29	16	((video with (library or repository or jukebox)) or (media with library)) and (database$1 with (url or "uniform resource locator") with (id or identifier))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/04/12 20:33
S30	51	(database$1 with (url or "uniform resource locator") with (id or identifier)) and metadata	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/04/13 17:18
S31	59	(database$1 with (url or "uniform resource locator") with (id or identifier)) and meta$data	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/04/12 20:32
S32	8	(((video with (library or repository or jukebox)) or (media with library)) and (database$1 with (url or "uniform resource locator") with (id or identifier))) and meta$data	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/04/12 20:29
S33	9	((database$1 with (url or "uniform resource locator") with (id or identifier)) and meta$data) and (video with retriev$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/04/12 20:32
S34	8	(((video with (library or repository or jukebox)) or (media with library)) and (database$1 with (url or "uniform resource locator") with (id or identifier))) not (((video with (library or repository or jukebox)) or (media with library)) and (database$1 with (url or "uniform resource locator") with (id or identifier))) and meta$data)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/04/12 20:33
S35	11	database$1 with (url or "uniform resource locator") with (id or identifier) with meta$data	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/04/12 20:48
S36	11	(database$1 with (url or "uniform resource locator") with (id or identifier) with meta$data) and video	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/04/12 20:54
S37	3003	(707/104.1).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/04/12 20:54

S38	19557	((348/6) or (455/1$)).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/04/12 20:56
S39	22559	((707/104.1).CCLS.) or (((348/6) or (455/1$)).CCLS.)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/04/12 20:56
S40	196	(((707/104.1).CCLS.) or (((348/6) or (455/1$)).CCLS.)) and (video with retriev$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/04/12 20:57
S41	3	((((707/104.1).CCLS.) or (((348/6) or (455/1$)).CCLS.)) and (video with retriev$3)) and (database$1 with (url or "uniform resource locator") with (id or identifier))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/04/12 20:57
S42	64	(((707/104.1).CCLS.) or (((348/6) or (455/1$)).CCLS.)) and (access$3 with ((url or "uniform resource locator") and (id or identifier)))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/04/12 21:13
S43	95	((video with (library or repository or jukebox)) or (media with library)) and (access$3 with ((url or "uniform resource locator") and (id or identifier)))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/04/12 21:02
S44	4	((((video with (library or repository or jukebox)) or (media with library)) and (access$3 with ((url or "uniform resource locator") and (id or identifier)))) and metadata) and (database$1 with (url or "uniform resource locator") with (id or identifier))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/04/12 21:03
S45	49	(((video with (library or repository or jukebox)) or (media with library)) and (access$3 with ((url or "uniform resource locator") and (id or identifier)))) and metadata	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/04/12 21:14
S46	5	(((((707/104.1).CCLS.) or (((348/6) or (455/1$)).CCLS.)) and (video with retriev$3)) and (access$3 with ((url or "uniform resource locator") and (id or identifier)))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/04/12 21:13

S47	7	((((707/104.1).CCLS.) or (((348/6) or (455/1$)).CCLS.)) and (access$3 with ((url or "uniform resource locator") and (id or identifier)))) and metadata	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/04/13 17:18
S48	92	(server with (url or "uniform resource locator") with (id or identifier)) and metadata	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/04/13 17:18
S49	14	((server with (url or "uniform resource locator") with (id or identifier)) and metadata) and (video with (repository or library))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/04/13 17:20
S50	4	((server with (url or "uniform resource locator") with (id or identifier)) and metadata) and (video with retriev$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/04/13 17:21
S51	131	("UMID" or "unique material identifier")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/30 14:36
S53	85	S51 and access$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/30 14:37
S54	30	S52 and (access$3 with (id or identifier))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/31 14:49
S55	28	S54 and video	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/30 14:38
S57	55	S53 not S54	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/30 16:36
S58	46	S51 not S53	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/30 16:36

SMPTE Journal

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The SMPTE Journal Abstracts of Papers

October 2000

Editing MPEG Streams

By Mark D. Conover

This paper presents a description of the intricacies of the MPEG
compression standard with the goal of convincing the reader how they
make what is a simple editing function in other video files extremely
challenging in the MPEG space. The target audience is a technical person
who has limited knowledge of the MPEG compression standard and wants a
working knowledge of the complexities of MPEG compression. This paper
introduces no new concepts or technology, but rather highlights practical,
hands-on applications and mis-applications of the MPEG technology.

Revelations on the Coming of Digital Cinema

By Hugh R. Heinsohn

Digital cinema has finally become a real possibility due to recent advances
in electronic projection technology. Various industry organizations,
equipment manufacturers and studios are working to develop practical
systems that will be used to replace film as the primary distribution
medium for feature productions. This paper presents one person's
observations and perspectives on the potentials and pitfalls of digital
cinema for the technical community involved with producing and
distributing movies.

Tools and Techniques for Globally Unique Content Identification

By James H. Wilkinson and Michael E. Cox

The EBU/SMPTE Task Force report highlighted the requirement for the
unique identification of essence with the aim of tracking content
throughout the television production process from acquisition to delivery.
The term unique material identifier (UMID) was coined in order to be
essentially different from the many unique program identifiers (UPID) that
exist today. UPIDs rely on a registration process to assign numbers and
these may be unique to an organization or (more recently) globally unique.
UPIDs are a simple label whereas UMIDs identify every component part of
a program and provide a linkage between the essence and its associated
metadata.

This paper outlines the specification of the SMPTE UMID and shows how it
can link metadata to essence in both streaming and storage applications.
Even in a server-only-based solution, separation of metadata and essence
is attractive from the viewpoint of access speed for program
decisionmaking. Although the UMID is a key part of television production, it
is essential to both analog and digital archives, where metadata is the key
to speedy access of the desired material. The paper also addresses the
operational issues arising from the introduction of the UMID into the
program chain with particular regard to migration into existing systems.

Video Preprocessing in MPEG-2 Compression Systems

By Gordon M. Drury

Increased use of compressed video signals in broadcasting has led to the expectation that bit rates will fall and quality will be maintained. Although it is true that compression encoders have decreased in cost and continue to improve in performance, the overall performance of a digital chain that may include more than one compression stage remains limited by practical factors that concern the quality of the video input to the compressor. If this input is impaired, for example, by noise, interference, composite decoding, and film scanning artifacts, etc., the subsequent compression process may not perform well. This paper explores some of the factors that affect the performance of practical MPEG-2 compression systems and suggestions for dealing with them.
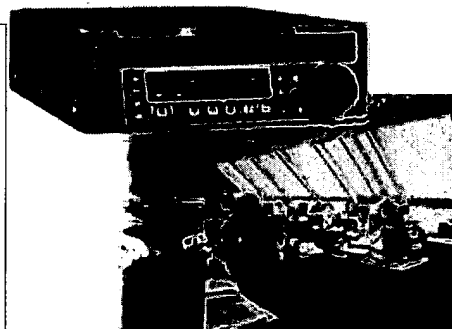
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SONY.

NTSC/PAL Compact Players
J Series

J-10
J-10SDI
J-30
J-30SDI

Since their introduction in 2001, Sony J Series Compact Players (consisting of the J-1, J-2, and J-3 models), have been accepted by producers, journalists and production staff around the world as ideal desktop ½ inch standard-definition compact players. Their sophisticated
features offered within an affordable price range, have opened new opportunities in material viewing, logging, and source feeding to servers or nonlinear editing systems.

Retaining the same design concept, affordability, and fundamental features, Sony has revitalized the J Series by enhancing its interfacing capabilities. The new J Series Compact Players - comprising four models, the J-10, J-10SDI, J-30, and J-30SDI - now come equipped with an i.LINK* interface as standard, opening the door to the DV world for Betacam users.
Despite their compactness and affordability, the new J Series will surely become one of the most powerful production assets today, and into the future.

Compact Body Design
Sharing the same chassis design of their predecessors, the new J Series Compact Players retain a compact and lightweight design. At just 307 x 100 x 397 mm (12 1/8 x 4 x 15 3/4 inches) in size and 8.1 kg (17 lb 14 oz) in weight, they are equivalent in size to a standard desktop PC. They can be placed on the desks of busy producers, journalists, and editors either horizontally or upright in the supplied vertical stand - perfect for space constrained or awkward environments. In addition, their new light-metallic colouring makes the J Series

525/625 Versatility
The J Series Compact Players can be easily switched between 525/60 and 625/50 playback modes, enabling operation in international environments.

## Powerful Playback Capability
The J-10 and J-10 SDI models have the capability to play back Betacam SX, Betacam SP, and Betacam tape recordings. The J-30 and J-30 SDI models further add playback capability for MPEG IMX and Digital Betacam recordings.

Compact Players even more suitable for the office environment.

Compatible with Small and Large Cassettes

Despite their very compact size, the J Series Compact Players can play large-size as well as small-size cassettes.

During cassette loading, each format is automatically identified for playback, so no menu settings or switching is necessary.
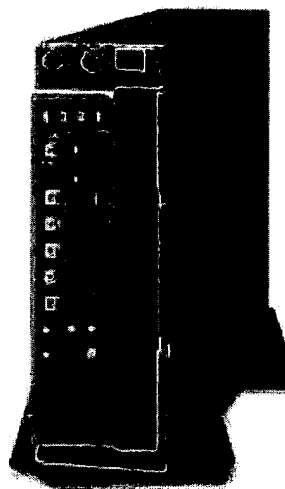
J-10/J-10SDI   BETACAM BETACAM   BETACAM

J-30/J-30SDI   BETACAM BETACAM   BETACAM   mpeg imx   Digital BETACAM

Enhanced Interfacing Capability
1 i.LINK Interface - Opening the Door to the DV World

The new J Series Compact Players come equipped with an i.LINK interface as standard. This feature makes them very unique, since 1/2" SD Betacam series materials - including even 20-year-old archives - can be converted to a 25 Mbps DV signal (video, audio*, and time code are transferred) and sent to a compatible DV device via a single i.LINK interface cable.
*2-ch or 4-ch selectable.

2 Choice of Analogue Component Output and SDI Output

Operational Versatility
UMID and Essence Mark Readable

The UMID (Unique Material Identifier) is a type of metadata approved as an SMPTE standard (SMPTE - 330M). The UMID consists of a globally unique number and a material number, used for the identification of recorded material. Essence Marks, available on a variety of Sony camcorders, are also useful metadata that can be manually or automatically marked during shooting for easy picture search in subsequent editing processes. The J-30 SDI can read UMID and Essence Marks on MPEG IMX and Digital Betacam tapes and output them through the SDI interface*.

J Series Compact Players offer the choice of either analogue component output or SDI output depending on application requirements. While the J-10 and J-30 offer one set of analogue component outputs (BNC x 3) as standard, the J-10 SDI and J-30 SDI offer two SDI outputs (BNC x 2) - including one with superimposition capability. Also, one time code output is provided on the J-10 SDI and J-30 SDI models.

3 Flexible Audio Outputs
Two channels of analogue audio output are available either through the XLR connectors or RCA pin jacks located on the rear panel of the J Series Compact Players. A headphone jack is also provided on the front panel. The audio channels to be output to the analogue outputs and headphone jack can be selected from Ch 1/2, Ch 3/4, and Cue track. Audio is automatically muted for off-speed playback and non-data playback.

4 Ideal for Presentations
The J Series Compact Players incorporate an infrared remote controller, which allows fundamental operations to be controlled wirelessly. This feature comes in handy for connection to conventional TV monitors, as well as data projectors with composite video or S-video input capability, making the J Series Compact Players a useful machine for presentations or demonstrations.

*Auto Event Detection is not supported.

Shot Mark Handling
The J Series Compact Players can scan tapes with Shot Marks and automatically detect their position. After scanning, a list of all marks can be displayed on a video monitor, allowing easy cueing to any mark.
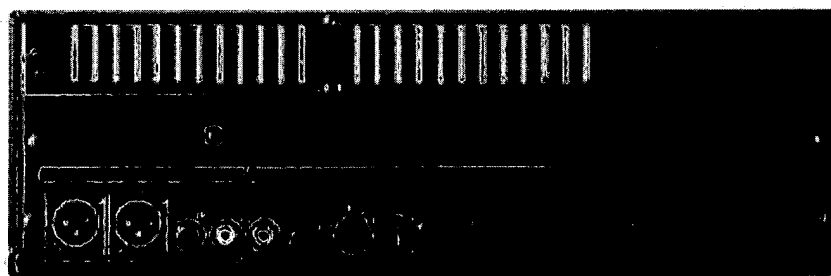
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SMPTE.org
The **SMPTE Journal** Abstracts of Papers. October 2000 ... The term unique material
identifier (**UMID**) was coined in order to be essentially different from the ...
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... centralized registration center, and **UMID** is. expected to be assigned automatically
... Identification", The **SMPTE Journal**, pp. 795-799. (October, 2000)
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... (**UMID**) as a component of its Wrapper. These identifiers would track content
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... Full scope of **UMID** (extended 64 Bytes) and meta-data is required for the use
of all future options ... May 2004 **SMPTE journal** – reprint of the IBC paper ...
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- Exclude pages by using a **-** if a search term must not appear on a page.

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Combine these techniques to create a specific search query. The better your description of the information you want, the more relevant your results will be.

        museum +"natural history" dinosaur -Chicago

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SEARCH

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You may want to try an Advanced Search for additional options.

Please review the Quick Tips below or for more information see the Search Tips.

Quick Tips

- Enter your search terms in lower case with a space between the terms.

      sales offices

  You can also enter a full question or concept in plain language.

      Where are the sales offices?

- Capitalize proper nouns to search for specific people, places, or products.

      John Colter, Netscape Navigator

- Enclose a phrase in double quotes to search for that exact phrase.

      "museum of natural history" "museum of modern art"

- Narrow your searches by using a + if a search term must appear on a page.

      museum +art

- Exclude pages by using a - if a search term must not appear on a page.

      museum -Paris

Combine these techniques to create a specific search query. The better your description of the information you want, the more relevant your results will be.

      museum +"natural history" dinosaur -Chicago

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Search: [Title Alphabetical ▼] [umid]   **GO**   Refine Search

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Search Results

Browsing results matching umid

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UML '99--the unified modeling language beyond the standard : second international conference. Fort Collins, CO, October 28-30, 1999 : proceedings /	UML '99 (1999 : Fort Collins, Colo.)	c1999.	e-book
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UML distilled a brief guide to the standard object modeling language /	Fowler, Martin, 1963-	2004.	
UML distilled a brief guide to the standard object modeling language /	Fowler, Martin, 1963-	c2000.	
UML for database design	Naiburg, Eric J.	c2001.	
A UML pattern language /	Evitts, Paul.	1999.	QA76.76.D47 E84 1999
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» Key

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IEE JNL	IEE Journal or Magazine
IEEE CNF	IEEE Conference Proceeding
IEE CNF	IEE Conference Proceeding
IEEE STD	IEEE Standard

Modify Search

(umid<in>metadata)   »

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- Try more general keywords.
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